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The hepatic circulation in health and disease: report of a single-topic symposium (Shah et al). 1998;27:279-288 (Meeting Report)

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Amino acids
Effects of systemic prostaglandin E_1 on hepatic amino acid-nitrogen metabolism in patients with cirrhosis (Fabbri et al). 1998;27:815-821
Aminotransferase
Significance of repeatedly normal aminotransferase activities in hepatitis C virus-infected patients (Zylberberg et al). 1998;27:1169 (Correspondence)
Anatomy
Anatomy of the human biliary system studied by quantitative computer-aided three-dimensional imaging techniques (Ludwig et al). 1998;27:893-899
Antimitochondrial antibodies
Characterization of antimitochondrial antibodies in healthy adults (Mattalia et al). 1998;27:656-661
Antioxidants
Effect of antioxidants, resveratrol, quercetin, and *N*-acetylcysteine, on the functions of cultured rat hepatic stellate cells and Kupffer cells (Kawada et al). 1998;27:1265-1274
Increased lipid peroxidation and impaired antioxidant enzyme function is associated with pathological liver injury in experimental alcoholic liver disease in rats fed diets high in corn oil and fish oil (Polavarapu et al). 1998;27:1317-1323
Apolipoprotein
Cholesterol crystallization in human gallbladder bile: relation to gallstone number, bile composition, and apolipoprotein E4 isoform (Van Erpecum et al). 1998;27:1508-1516
Apomucins
Expression of apomucins in the intrahepatic biliary tree in hepatolithiasis differs from that in normal liver and extrahepatic biliary obstruction (Sasaki et al). 1998;27:54-61
Apoptosis
Apoptosis of sinusoidal endothelial cells is a critical mechanism of preservation injury in rat liver transplantation (Gao et al). 1998;27:1652-1660
Cyclic adenosine monophosphate-mediated protection against bile acid-induced apoptosis in cultured rat hepatocytes (Webster and Anwer). 1998;27:1324-1331
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Fas-mediated apoptosis in mouse hepatocytes involves the processing and activation of caspases (Jones et al). 1998;27:1632-1642
ICE-like protease (caspase) is involved in transforming growth factor β1-mediated apoptosis in FaO rat hepatoma cell line (Choi et al). 1998;27:415-421
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Keratinocyte growth factor protects murine hepatocytes from tumor necrosis factor-induced apoptosis *in vivo* and *in vitro* (Senaldi et al). 1998;27:1584-1591
Loss of butyrate-induced apoptosis in human hepatoma cell lines HCC-M and HCC-T having substantial Bcl-2 expression (Saito et al). 1998;27:1233-1241
Occupancy of dipeptidyl peptidase IV activates an associated tyrosine kinase and triggers an apoptotic signal in human hepatocarcinoma cells (Gaetaniello et al). 1998;27:934-942
Aprotinin
Aprotinin in liver transplantation (Zylberberg et al). 1998;27:1169 (Correspondence)
Arginine, L-
Effects of L-arginine on the systemic, mesenteric, and hepatic circulation in patients with cirrhosis (Kakumitsu et al). 1998;27:377-382
Ascites
Increased renal and vascular cytosolic phospholipase A_2 activity in rats with cirrhosis and ascites (Niederberger et al). 1998;27:42-47
Increased renal expression of nitric oxide synthase type III in cirrhotic rats with ascites (Bosch-Marcé et al). 1998;27:1191-1199
Management of adult patients with ascites caused by cirrhosis (Runyon). 1998;27:264-272 (AASLD Practice Guidelines)
Asialofetuin
Increased liver uptake of liposomes and improved targeting efficacy by labeling with asialofetuin in rodents (Wu et al). 1998;27:772-778
Asialoglycoprotein
Complement-mediated cytotoxicity and inhibition of ligand binding to hepatocytes by woodchuck hepatitis virus-induced autoantibodies to asialoglycoprotein receptor (Diao et al). 1998;27:1623-1631
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Ethanol up-regulates fatty acid uptake and plasma membrane expression and export of mitochondrial aspartate aminotransferase in Hep G2 cells (Zhou et al). 1998;27:1064-1074
Modulation of aspartate aminotransferase release and fatty acid uptake by ethanol (Weisiger). 1998;27:1162-1163 (Editorial)
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B

B10
Identification of B10, an alkaline phosphodiesterase of the apical plasma membrane of hepatocytes and biliary cells, in rat serum: increased levels following bile duct ligation and during the development of cholangiocarcinoma (Meerson et al). 1998;27:563-568; 1998;27:1172 (Correction)
Bacteria
Bacterial infection is independently associated with failure to control bleeding in cirrhotic patients with gastrointestinal hemorrhage (Goulis et al). 1998;27:1207-1212
Time-dependent changes in the concentration and type of bacterial sequences found in cholesterol gallstones (Swidsinski et al). 1998;27:662-665
Tumor necrosis factor and interleukin-6 in spontaneous bacterial peritonitis in cirrhosis: relationship with the development of renal impairment and mortality (Navasa et al). 1998;27:1227-1232
Betaine
Betaine as an osmolyte in rat liver: metabolism and cell-to-cell interactions (Wettstein et al). 1998;27:787-793
Bcl-2
Loss of butyrate-induced apoptosis in human hepatoma cell lines HCC-M and HCC-T having substantial Bcl-2 expression (Saito et al). 1998;27:1233-1241
Bile acids
Bile acid synthesis in primary cultures of rat and human hepatocytes (Ellis et al). 1998;27:615-620
Cyclic adenosine monophosphate-mediated protection against bile acid-induced apoptosis in cultured rat hepatocytes (Webster and Anwer). 1998;27:1324-1331
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zyme A synthase and acetoacetyl coenzyme A thiolase activities (Honda et al). 1998;27:154-159

Bile canalicular organic anion transporter

Impaired activity of the bile canalicular organic anion transporter (Mrp2/cmoat) is not the main cause of ethinylestradiol-induced cholestasis in the rat (Koopen et al). 1998;27:537-545

Bile ducts

Cytomegalovirus infection is associated with increased inflammation and severe bile duct damage in rat liver allografts (Martelius et al). 1998;27:996-1002

Insight into bile duct differentiation takes (notched) wings (Knisely and Freimer). 1998;27:298 (HEPATOLOGY *Elsewhere*)

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Accurate separation of biliary lipid aggregates requires the correct intermixed micellar/intervesicular bile salt concentration (Donovan and Jackson). 1998;27:641-648

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Accurate separation of biliary lipid aggregates requires the correct intermixed micellar/intervesicular bile salt concentration (Donovan and Jackson). 1998;27:641-648

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Cholesterol crystallization in human gallbladder bile: relation to gallstone number, bile composition, and apolipoprotein E4 isoform (Van Erpecum et al). 1998;27:1508-1516

Cholesterol metabolism and serum and biliary noncholesterol sterols in gallstone patients during simvastatin and ursodeoxycholic acid treatments (Miettinen et al). 1998;27:649-655

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The incidental focal liver lesion: photon, proton, or needle? (Ros and Davis). 1998;1183-1190 (HEPATOLOGY Concise Review)

Black Africans

Dietary iron overload as a risk factor for hepatocellular carcinoma in black Africans (Mandishona et al). 1998;27:1563-1566

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Caspases
Fas-mediated apoptosis in mouse hepatocytes involves the processing and activation of caspases (Jones et al). 1998;27:1632-1642
ICE-like protease (caspase) is involved in transforming growth factor β1-mediated apoptosis in FaO rat hepatoma cell line (Choi et al). 1998;27:415-421

Catenins
Expression of E-cadherin, α-catenin, β-catenin, and CD44 (standard and variant isoforms) in human cholangiocarcinoma: an immunohistochemical study (Ashida et al). 1998;27:974-982

CD44
Expression of E-cadherin, α-catenin, β-catenin, and CD44 (standard and variant isoforms) in human cholangiocarcinoma: an immunohistochemical study (Ashida et al). 1998;27:974-982

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Risk of colorectal neoplasia in patients with primary sclerosing cholangitis and ulcerative colitis following orthotopic liver transplantation (Loftus et al). 1998;27:685-690

Choledochal cysts
Detection of reovirus RNA in hepatobiliary tissues from patients with extrahepatic biliary atresia and choledochal cysts (Tyler et al). 1998;27:1475-1482

Cholestasis
Impaired activity of the bile canalicular organic anion transporter (Mrp2/cmoat) is not the main cause of ethinylestradiol-induced cholestasis in the rat (Koopen et al). 1998;27:537-545
Open-label trial of oral nalmefene therapy for the pruritus of cholestasis (Bergasa et al). 1998;27:679-684
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Expression of apomucins in the intrahepatic biliary tree in hepatolithiasis differs from that in normal liver and extrahepatic biliary obstruction (Sasaki et al). 1998;27:54-61
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Open-label trial of oral nalmefene therapy for the pruritus of cholestasis (Bergasa et al). 1998;27:679-684
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Enhanced cyclooxygenase-1 expression within the superior mesenteric artery of portal hypertensive rats: role in the hyperdynamic circulation (Hou et al). 1998;27:20-27
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hepatocyte culture (Mezey et al). 1998;27:185-190

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Expression of integrins during liver organogenesis in humans (Couvelard et al). 1998;27:839-847

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Hepatic uroporphyrinogen decarboxylase activity in porphyria cutanea tarda patients: the influence of virus C infection (Couzigou et al). 1998;584-589
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Role of cyclic guanosine monophosphate and K^+ channels as mediators of the mesenteric vascular hyporesponsiveness in portal hypertensive rats (Atucha et al). 1998;27:900-905
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$pp60^{c\text{-}src}$ activation in hepatocellular carcinoma of humans and LEC rats (Masaki et al). 1998;27:1257-1264
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Comparison of liver progenitor cells in human atypical ductular reactions with those seen in experimental models of liver injury (Sell). 1998; 27:317-331
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Inhibition of leukocyte adherence and transendothelial migration in cultured human liver vascular endothelial cells by prostaglandin E_1 (Lou et al). 1998;27:822-828
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R

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Quantitation of telomerase activity in hepatocellular carcinoma: a possible aid for a prediction of recurrent diseases in the remnant liver (Suda et al). 1998;27:402-406
Role of endothelins and nitric oxide in hepatic reperfusion injury in the rat (Pannen et al). 1998;27:755-764
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Changes in glutathione homeostasis during liver regeneration in the rat (Huang et al). 1998;27:147-153
Delayed Fas-mediated hepatocyte apoptosis during liver regeneration in mice: hepatoprotective role of TNFα (Takehara et al). 1998;27:1643-1651
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Resection, hepatic
Prognosis of hepatocellular carcinoma with diabetes mellitus after hepatic resection (Ikeda et al). 1998;27: 1567-1571
Resveratrol
Effect of antioxidants, resveratrol, quercetin, and *N*-acetylcysteine, on the functions of cultured rat hepatic stellate cells and Kupffer cells (Kawada et al). 1998;27:1265-1274
Ribavirin
A randomized study comparing ribavirin and interferon alfa monotherapy for hepatitis C recurrence after liver transplantation (Gane et al). 1998; 27:1403-1407
Ribavirin inhibits protein synthesis and cell proliferation induced by mitogenic factors in primary human and rat hepatocytes (Ilyin et al). 1998; 27:1687-1694

S

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Transjugular intrahepatic portosystemic shunt versus endoscopic sclerotherapy for the prevention of variceal bleeding in cirrhosis: a randomized multicenter trial (Merli et al). 1998;27:48-53
Selenium
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Serotonin
Induction of DNA synthesis in primary cultures of rat hepatocytes by serotonin: possible involvement of serotonin S_2 receptor (Balasubramanian et al). 1998;26:62-66
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Cholesterol metabolism and serum and biliary noncholesterol sterols in gallstone patients during simvastatin and ursodeoxycholic acid treatments (Miettinen et al). 1998;27:649-655
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Apoptosis of sinusoidal endothelial cells is a critical mechanism of preservation injury in rat liver transplantation (Gao et al). 1998;27:1652-1660
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sphingolipid transport to the canalicular membrane in the human hepatocytic cell line HepG2 (Zegers et al). 1998;27:1089-1097

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Splenic impedance indices: a useful method to monitor patients after liver transplantation? (Bolognesi et al). 1998;27:674-678

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Transjugular intrahepatic portosystemic shunt versus endoscopic sclerotherapy for the prevention of variceal bleeding in cirrhosis: a randomized multicenter trial (Merli et al). 1998;27:48-53

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Apoptosis of sinusoidal endothelial cells is a critical mechanism of preservation injury in rat liver transplantation (Gao et al), 1998;27:1652-1660

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Delayed Fas-mediated hepatocyte apoptosis during liver regeneration in mice: hepatoprotective role of TNFα (Takehara et al). 1998;27:1643-1651
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Hepatic uroporphyrinogen decarboxylase activity in porphyria cutanea tarda patients: the influence of virus C infection (Couzigou et al). 1998; 584-589

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A two-year prospective study of the effect of ursodeoxycholic acid on urinary bile acid excretion and liver morphology in cystic fibrosis–associated liver disease (Lindblad et al). 1998;26:166-174
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V

Vaccines

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Safety and immunogenicity of hepatitis A vaccine in patients with chronic liver disease (Keeffe et al). 1998;27:881-886
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